Rhode Island

Science and Engineering Profile

Characteristic	State	U.S.	Rank	Characteristic	State	U.S.	Rank
Doctoral scientists, 1999[1]	2,440	518,670	40	Total R&D performance, 1998 (millions)	$1,677	$214,668	29
Doctoral engineers, 1999[1]	540	107,100	36	Industry R&D, 1998 (millions)	$1,320	$163,480	25
S&E doctorates awarded, 1999[1]	174	25,953	33	Academic R&D, 1998 (millions)	$112	$25,342	39
of which, in social sciences	20%	16%		of which, in life sciences	35%	57%	
in mathematics and computer sciences	15%	7%		in environmental sciences	22%	6%	
in life sciences	14%	25%		in engineering	11%	16%	
S&E postdoctorates, 1998[1]				Public higher education current-fund			
in doctorate-granting institutions	175	39,494	33	expenditures, 1997 (millions)	$369	$125,236	47
S&E graduate students, 1998[1]				Number of SBIR awards, 1990-98	94	35,413	33
in doctorate-granting institutions	1,765	422,834	40	Patents issued to state residents, 1999	261	83,901	39
Population, 1999 (thousands)	991	276,580	44	Gross state product, 1998 (billions)	$30	$8,800	46
Civilian labor force, 1999 (thousands)	504	140,536	44	of which, agriculture	1%	1%	
				manufacturing, mining, construction	19%	22%	
Personal income per capita, 1999	$29,377	$28,542	16	transportation, communication, utilities	8%	9%	
				wholesale and retail trade	14%	16%	
Federal spending				finance, insurance, real estate	25%	19%	
Total expenditures, 1999 (millions)	$6,036	$1,508,933	45	services	22%	21%	
R&D obligations, 1998 (millions)	$385	$70,445	26	government	12%	12%	

NOTE: Rankings and totals are based on data for the 50 States, District of Columbia, and Puerto Rico. Reliability of the estimates of industry R&D and of doctoral scientists and engineers varies by State, because the sample allocation was not based on geography. The rankings do not take into account the margin of error of estimates from sample surveys.

[1]Data on graduate students, doctoral scientists and engineers, and postdoctorates include all graduate degree (except M.D.) candidates and recipients in S&E fields, including health fields. Data on S&E doctorates awarded do not include health fields.

Federal Obligations for Research and Development by Agency and Performer: Fiscal Year 1998

Agency	Performer							
	Total	Federal Intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank, total
	[In thousands of dollars]							
Total, all agencies	385,411	222,106	0	78,082	60,182	22,978	2,063	26
Department of Agriculture	1,835	2	0	0	1,757	76	0	52
Department of Commerce	3,727	1,054	0	493	2,180	0	0	30
Department of Defense	291,853	208,979	0	74,679	8,137	58	0	20
Department of Energy	2,356	0	0	0	2,351	5	0	41
Dept. of Health & Human Services	49,613	5	0	1,260	25,318	21,618	1,412	32
Department of the Interior	2,477	1,561	0	0	916	0	0	46
Department of Transportation	1,001	50	0	300	0	0	651	44
Environmental Protection Agency	12,007	10,199	0	1,250	524	34	0	14
National Aeronautics and Space Admin	3,308	256	0	0	2,841	211	0	41
National Science Foundation	17,234	0	0	100	16,158	976	0	28
State rank, total	26	14	na	31	37	19	38	na

NOTE: Federal R&D obligations are as reported by funding agencies. Ranks and totals are based on data for the 50 States, District of Columbia, and Puerto Rico.

KEY: FFRDC = federally funded research and development center; SBIR = small business innovation research; na = not applicable.

SOURCES: Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources -- see the section, "Data Sources for Science and Engineering (S&E) State Profiles".